



SHORT TRAINING COURSE

The IHE Pathology technical framework: Introducing informatics standards in Pathology

Christel Daniel¹, Thomas Schrader²

1 DIH-HEGP - APHP - 20 rue Leblanc -PARIS 15, France

2 Department of Pathology, University Hospital Berlin – Charite. 10117-Berlin. Germany.

thomas.schrader@computer.org, Christel.Daniel@spim.jussieu.fr

Course description

For making medical decisions, physicians require that all necessary information about patient, specimens, clinical context, diagnosis and prognosis is both correct and easily available. We address the issue of integrating anatomic pathology department information into the electronic healthcare enterprise to enhance clinical information exchange between anatomic pathologists and clinicians. The pathology workflow from order to report, including specimen processing, simple image acquisition and reporting was modelled in an integration profile “Pathology workflow” in the framework of the IHE (Integrating the Healthcare Enterprise). This Integration Profile relies on ten transactions based on HL7 or DICOM standards. Joint efforts between IHE and DICOM WG26 has resulted in a proposed common model for specimen in anatomic pathology, usable for both HL7 and DICOM transactions. The perspectives of the IHE Pathology working group are to propose some more standard-based Integration Profiles dedicated to manage whole slide images and semantically rich structured reports and to integrate automatons and tissue bank databases to healthcare enterprise.

This training course has a focus on the standardisation process in Pathology and provide an overview about the current technical framework. The course is useful for interested pathologist as well as technicians, developers of software provider.

Topics of the course:

1. Introduction of IHE and the process of standardisation
2. Uses Cases and workflow in Pathology
3. Transactions in Pathology - technical background
4. Implementation & Testphase